

REMARKS

This amendment is in response to the Office Action of December 31, 2007 in which claims 1-20 were rejected under 35 U.S.C. 102(e) and 103(a).

Claims 21 and 24 are amended for clarification as explained herein and the amendments are fully supported by the specification (see Figure 4 and corresponding text). Other minor changes are made in claims 1 and 21.

Claims 1, 9-12, 21-26, 28 and 29 are rejected under 35 U.S.C. 102(e) as being anticipated by Findlater et al., US2003/0223649.

The applicant believes that the Examiner's statements are not accurate and need further clarification.

The Examiner's arguments are analyzed based on MPEP guidelines which are stated in the MPEP Paragraph 2131 as follows:

"A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference." *Verdegaal Bros. V. Union Oil Co. of California*, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987), MPEP 2131. Further, "the identical invention must be shown in as complete details as is contained in the . . . claim", *Richardson v. Suzuki Motor Co.*, 9 USPQ2d 1913, 1920 (Fed. Cir. 1989)."

For example, in reference to claim 1 the applicant is of opinion that Findlater et al do not disclose performing horizontal downscaling first by a camera sensor and then performing a vertical downscaling of the horizontally downscaled video signal by a processing block. Downscaling

unit 14 of Findlater et al perform both horizontal and vertical downscaling simultaneously as clearly shown in Figure 4 and explained in paragraphs 0031-0032 and 0034-0038 of Findlater et al. In other words, according to the algorithm shown in figure 4 of Findlater et al, a separate horizontal downscaling is not performed as recited, e.g., in claim 1 of the present invention, for "generating a real-time horizontally downscaled video signal using horizontal downscaling of the real-time video signal by the camera sensor...". In other words, Findlater et al do not provide any indication or even hinted that block 14 is capable to provide a separate horizontal downscaling of the video signal without being vertically downscaled at the same time.

As far a digital scaling block 10 of Findlater et al, referenced by the Examiner in regard to "generating a real-time vertically and horizontally downscaled video signal using vertical downscaling of the real-time horizontally downscaled video signal by a processing block" as recited in claim 1 of the present invention, the following arguments are made by the applicant. First, the downscaled video signal which can be possibly processed by the block 10 of Findlater et al cannot be horizontally downscaled video signal because block 14 can only generate both horizontally and vertically downscaled video signal but not only horizontally downscaled video signal as argued herein. Secondly, there is no indication or even a hint in Findlater et al that block 10 can perform only vertical downscaling as recited in the last step of claim 1 of the present invention.

Summarizing, the applicant is opinion that Findlater et al describe simultaneous horizontal and vertical downscaling by the block 14 as shown in Figured 4 of Findlater et al which is different from horizontal downscaling performed first and separately from vertical downscaling as recited in the present invention (e.g., claim 1 and other independent claims). Also, both downscaling blocks 14 and 10 of Findlater et al are used for downscaling an image in both dimensions, horizontal and vertical simultaneously, as no other algorithms but the one described by paragraphs 0031-0032 and 0034-0038 and Figure 4 of Findlater et al. Therefore, according to MPEP Paragraph 2131 claim 1 is not anticipated by Findlater et al. under 35 U.S.C. 102(e), contrary to what is alleged by the Examiner.

Claim 10 of the present invention is similar in scope to claim 1, i.e., claim 1 recites that the horizontal downscaling is performed first by the camera sensor and then vertical downscaling is performed by a processing block, therefore the same arguments as presented in reference to claim 1 above are applicable to claim 10, therefore claims 10 is not anticipated by Findlater et al under 35 U.S.C. 102(e), contrary to what is alleged by the Examiner.

In reference to claims 21 and 24, these claims are clarified (amended), as submitted herein, in order to distinguish them from the prior art of Findlater et al to include a limitation stating that combined weighted pixel values are in the same row as described in regard to figure 4 and explained in the corresponding text to Figure 4 in the present patent application, which is different from

teachings of Findlater et al shown in Figure 4 and described in paragraphs 0030-0031. Thus claims 21 and 24 are not anticipated by Findlater et al under 35 U.S.C. 102(e).

The novelty of dependent claims 9, 11, 22-23, 26, 28 and 29 is provided by the novelty of independent claims 1, 10, 21 and 24 under as argued herein.

Claims 2 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Findlater et al., US2003/0223649. in view of Haavisto, US2002/0071037. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatenentable over Findlater et al., US2003/0223649, in view of Lin, US 6,778,216. Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over Findlater et al., US 2003/0223649, in view of Yi, US 7,003,040.

Regarding claims 2, 5, 8 and 13, they are dependent claims of independent claims 1 and 10. Independent claims 1 and 10 are not unpatentable over references quoted by the Examiner, as shown above. Since dependent claims 2, 5, 8 and 13 narrow the scope of the novel and non-obvious independent claims 1 and 10, non-obviousness of claims 1 and 10 will compel non-obviousness of claims 2, 5, 8 and 13, respectively.

In addition, the applicant refers to arguments made in remarks of Amendment A submitted on May 21, 2007 and Amendment for RCE submitted on October 18, 2007 in reference to unique limitations recited in claims 2, 5, 8 and 13 of the present invention in regard to references of Haavisto, Lin, and Yi. More arguments can be presented about lack of justification for combining references and their

compatibility as required by the MPEP Paragraph 2143, contrary to what is alleged by the Examiner, if requested by the Office.

Claims 14-16, 18,19 and 27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lin, US 6,778,216, in view of Yi, US 7,003,k040 and Findlater et al., US 2003/0223649.

Claim 17 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lin, US 6,778,216, in view of Yi, US 7,003,k040 and Findlater et al., US 2003/0223649, as applied to claim 16 above, and further in view of Atsum US 2005/0036046.

Claim 20 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lin, US 6,778,216, in view of Yi, US 7,003,k040 and Findlater et al., US 2003/0223649, as applied to claim 16 above, and further in view of Haavisto, US2002/0071037.

Independent claim 14 of the present invention is similar in scope to claim 1 to the extent that both claim 1 and claim 14 recite that the horizontal downscaling is performed first before performing vertical downscaling, therefore the same arguments as to claim 1 above are applicable to claim 14, therefore the limitation of claim 14 stating that the horizontal downscaling is performed first is not disclosed by Findlater et al contrary to what is alleged by the Examiner.

Also, more arguments can be presented about lack of justification (motivation and/or suggestion) for combining references of Lin, Yi and Findlater and their compatibility as required by the MPEP Paragraph 2143 in order to arrive at

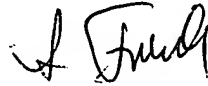
the subject matter of claim 14 of the present invention, contrary to what is alleged by the Examiner, if requested by the Office.

In addition, the applicant refers to arguments made in remarks of Amendment A submitted on May 21, 2007 and Amendment for RCE submitted on October 18, 2007 in reference to unique limitations recited in claims 15-16, 17-20 and 27 of the present invention in regard to references of Haavisto, Lin, Yi and Atsum.

Also, more arguments can be presented about lack of justification (motivation and/or suggestion) for combining references quoted above and their compatibility as required by the MPEP Paragraph 2143 in order to arrive at the subject matter of claim 15-16, 17-20 and 27 of the present invention, contrary to what is alleged by the Examiner, if requested by the Office.

The objections and rejections of the Office Action of December 31, 2007 having been obviated by amendment or shown to be inapplicable, withdrawal thereof is requested and passage of claims 1-20 to issue is solicited.

Respectfully submitted,



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